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Covariant density functionals for compact star studies

Wednesday 13 September 2023 10:15 (45 minutes)

I will present recent work on covariant density functionals which include hyperonic and delta-resonance degrees of freedom. I will discuss (a) the construction of new density functionals with varying slope of symmetry energy and skewness; (b) the composition and equation of state of hot hypernuclear, delta-resonance-admixed matter; (c) universal relations for cold and hot compact stars.

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